

OIPE 1208

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PATENT Docket No. 16585.6.2

Art Unit

1631

OF Correction

100.00 OP

1000 Eagle Gate Tower, 60 East South Temple | Salt Lake City, UX Tel: (801) 533-9800 | Fax: (801) 328-1707 | www.wnlaw.com

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

William B. Busa

Serial No.: 09/768,686

Filed: Jan. 24, 2001

Confirmation No.: 3892

For: "METHOD AND SYSTEM FOR AUTOMATED

INFERENCE CREATION OF PHYSICO-CHEMICAL INTERACTION KNOWLEDGE FROM DATABASES

OF CO-OCCURENCE DATA"

Examiner: Shubo (Joe) Zhou

Patent No.: 7,356,416 B2

Issue Date: April 8, 2008

61 FC:1811

REQUEST FOR A CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.323

12/29/2008 ETECLE1 00000011 7356416

Attention: Certificate of Corrections Branch

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Commissioner:

In accordance with the provisions of 37 C.F.R. § 1.323, which implements 35 U.S.C. § 255, the Director is respectfully requested to issue a Certificate of Correction to correct mistakes in the above-identified patent. The enclosed Patent Office Form PTO/SB/44 reflects the desired corrections.

Payment in the amount of \$100.00, as set forth in 37 C.F.R. § 1.20(a) is submitted herewith to cover the costs for issuance of the requested Certificate of Correction. The Commissioner is hereby authorized to charge payment of any of the following fees that may be applicable to this communication, or credit any overpayment, to Deposit Account No. 23-3178:

(1) any filing fees required under 37 CFR § 1.16; (2) any patent application and reexamination processing fees under 37 CFR § 1.17; and/or (3) any post issuance fees under 37 CFR § 1.20. In addition, if any additional extension of time is required, which has not otherwise been requested, please consider this a petition therefore and charge any additional fees that may be required to Deposit Account No. 23-3178.

Dated this 23rd day of December 2008.

Respectfully submitted,

Scott A. Woodbury Attorney for Applicant Registration No.: 55,743

Scott a. Woodbury

WORKMAN NYDEGGER 1000 Eagle Gate Tower 60 East South Temple Salt Lake City, UT 84111 Phone: 801-533-9800

Fax: 801-328-1707

SAW:ftm Enclosures 2218864v1

CERTIFICATE OF DEPOSIT UNDER 37 C.F.R. § 1.8

Respectfully submitted,

Transmitted:

REQUEST FOR A CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.323 PTO Form PTO/SB/44 and check No. 10 700 in the amount of \$100.00.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Also form PTO-1050

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page _1_ of _8._

PATENT NO.

7,356,416 B2

APPLICATION NO. : 09/768,686

ISSUE DATE : April 8, 2008

INVENTOR(S) : William B. Busa

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 3

Line 23, change "Bioknowledge Library" This' to - "Bioknowledge Library." This-

Column 5

Lines 16-17 change "checking automatically" to -automatically checking-

Column 8

Line 57, change "20 analysis." to -- analysis.--

Page 2 of 8

Also form PTO-1050

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i !	TABLE 1
-15	98232076
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<u>.</u>	Crestals octween the prospiration of the sun MAP kinase Signating pathways in Xenorus mesodern induction.
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· E	Animal
. XX	Biological Markets Ca/2+1-Calmodulin Denendent Protein Kinase/* physiology
MII -	DNA-Binding Proteins/biosynthesis/genetics
. нж	Embryo, Nounanmalian/physiology
· HY	Embryonic Induction, physiology
MH.	Fibroblast Growth Factor, Basic/*pharmacology Gene Evanession Reculstion Developments//dumedfacts
 K K	Oche Lapresson Acgustion, Developmentarus enecus Mesodem/dang effects/*physiology
жн	Microinjections
	Phosphatidylinositols/*physiology
MH.	Receptors, Serotonin/drug effects/genetics
WH.	Serotonin/pharmacology
MII	Signal Transduction/drug effects/*physiology
WH.	Transcription Factors/biosynthesis/genetics
MH.	Xenopus laevis/*embryology
RN-	EC 2.7.10 (Ca(2+)-Calmodulin Dependent Protein Kinase)
Z Z	0 (Biologica, Arkers)
Z	0 (Brachyury protein)
RN.	
RN.	0 (Fibroblast Growth Factor, Basic)
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ZZ.	0 (Receptors, Servitonia)
	O (ACCOMBINANT FUSION FROGINS) O (Transcription Eartons)
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DA.	19980706
참	1998 Apr
	0012-1592
٠ ٢	DCV Crowin Diller
SB -	
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IP -	2
- IA	40
င့် :	£7.
 £	Author
Υ <u>.</u>	Recent studies have established a role for the phosphoinositide (pt) eycle in the early
	patterning of Xenopus mesoderm. In explants, stimulation of this pathway in the absence of
	growth factors does not induce mesodern, but when accompanied by growth factor treatment,
	simultaneous PI cycle stimulation results in profound morphological and molecular changes in the mandator induced by the mouth factor. This connects the possibility that the DI cycle events its
	influence via crosstalk, by modulating some primary mesodemi-inducing pathway, Given recent
	identification of mitogen-activated protein kinase (MAPK) as an intracellular mediator of some
	mesodemninducing signals, the present study explores MAPK as a potential site of PI cycle-
	mediated crosstalk. We report that MAPK activity, like PI cycle activity, increases in intact
	embryos dunng mesoderm induction. Phosphoinositide cycle stumulation during treatment of
	activity and potentiates bFGF-induced expression of Xbra, a MAPK-dependent mesodermal
	marker
A D -	Department of Biology, The Johns Hopkins University, Baltimore, MD
01710	21218, U.S.A.
EDAT -	1998/05/08 02:03
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so .	Dev Growth Differ 1998 Apr;40(2):231-41

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Page <u>3 of 8</u>

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Line 25, change "84" to -82-

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Line 42, change "P(\neg A| \neg B) a" to \rightarrow P(\neg A| \neg B) \equiv a— Line 64, change "network 82" to \rightarrow network 80—

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Line 51, change "molecules names" to -molecule names-

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TABLE 4

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(SELECT Chem_2 FROM Chem_Pairs
WHERE Chem_1 = 'D' AND Chem_2 IN
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WHERE Chem_1 = 'A'))

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page <u>4</u> of <u>8</u>

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WHERE Chem 1 = 'F' AND Chem_2 IN
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Page <u>5</u> of <u>8</u>

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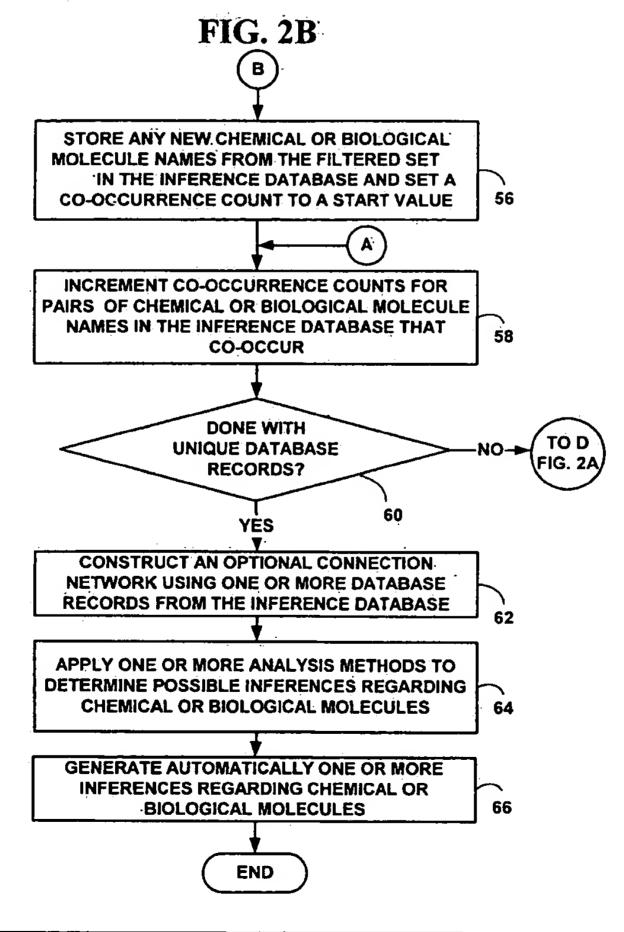
INVENTOR(S)

: William B. Busa

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Drawings

Sheet 3, replace Fig. 2B with the figure depicted below, wherein in step 56 "IN THE IN THE" has been changed to -IN THE-



Page <u>6</u> of <u>8</u>

PATENT NO.

7,356,416 B2

APPLICATION NO. :

09/768,686

ISSUE DATE

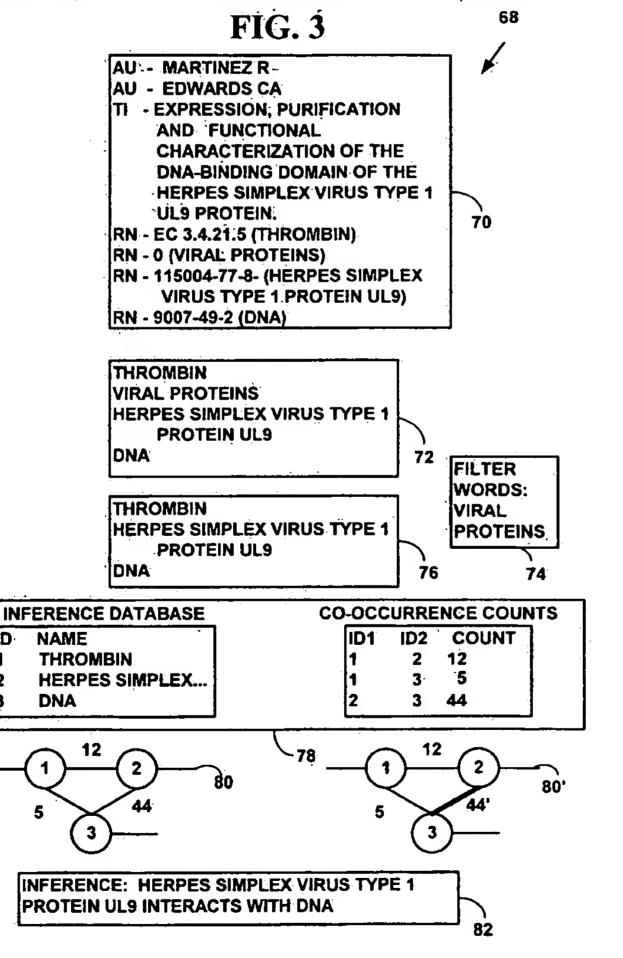
April 8, 2008

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Sheet 4, replace Fig. 3 with the figure depicted below, wherein in box 78, "4" has been changed to -5-



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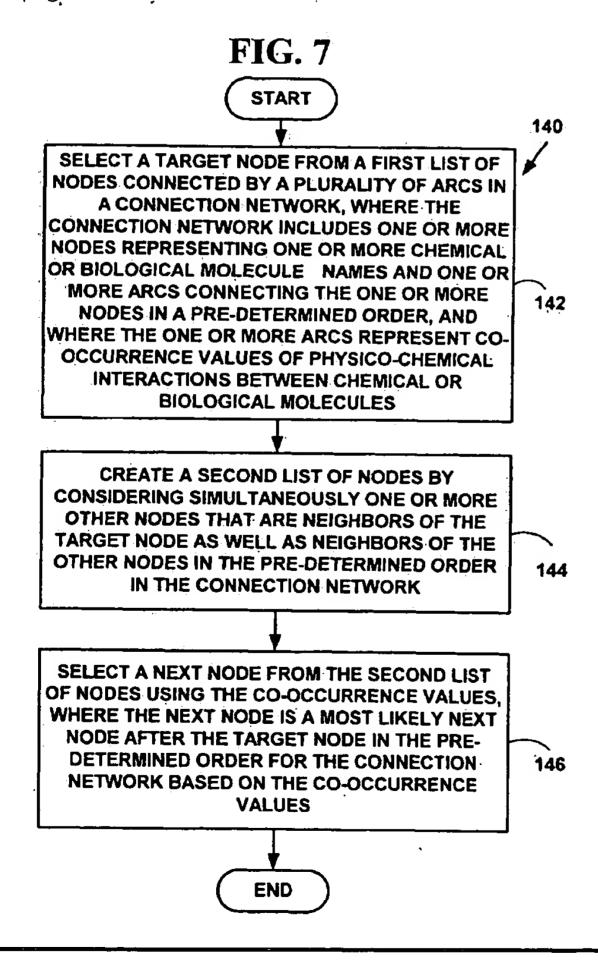
April 8, 2008

INVENTOR(S)

William B. Busa

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Sheet 8, replace Fig. 7 with the figure depicted below, wherein in step 142 "MOLECULES NAMES" has been changed to --MOLECULE NAMES--



Page <u>8</u> of <u>8</u>

PATENT NO.

7,356,416 B2

APPLICATION NO.

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ISSUE DATE

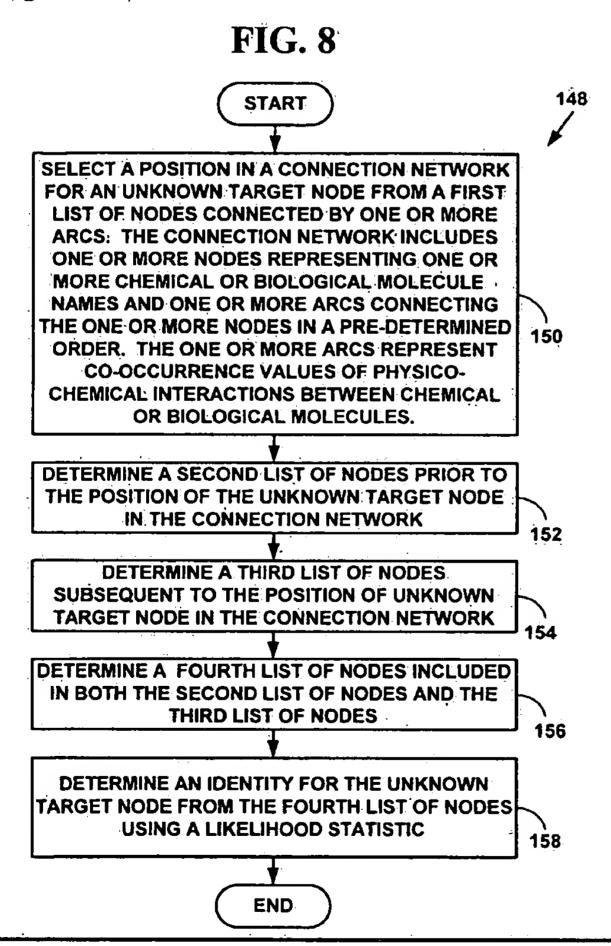
April 8, 2008

INVENTOR(S)

William B. Busa

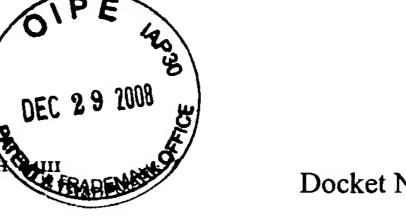
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Sheet 9, replace Fig. 8 with the figure depicted below, wherein in step 150 "MOLECULES NAMES" has been changed to --MOLECULE NAMES--





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PATENT Docket No. 16585.6.2

Art Unit

1631

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

William B. Busa

Serial No.:

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Filed:

Jan. 24, 2001

Confirmation No.:

3892

For:

的是是一个人,也是一个人,也是一个人,他们也是一个人,他们也是一个人,他们也是一个人,他们也是一个人,他们也是一个人的,他们也是一个人的人,他们的人们的人们的, 第二章

"METHOD AND SYSTEM FOR AUTOMATED

INFERENCE CREATION OF PHYSICO-CHEMICAL INTERACTION KNOWLEDGE FROM DATABASES

OF CO-OCCURENCE DATA"

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Shubo (Joe) Zhou

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WORKMAN NYDEGGER 1000 Eagle Gate Tower 60 East South Temple Salt Lake City, UT 84111 Phone: 801-533-9800

Fax: 801-328-1707

SAW:ftm Enclosures 2218864v1

CERTIFICATE OF DEPOSIT UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Attention: Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 260 day of 100 day.

Respectfully submitted,

Transmitted:

REQUEST FOR A CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.323 PTO Form PTO/SB/44 and check No. 10 700 in the amount of \$100.00.

Page <u>1</u> of <u>8</u>

Also form PTO-1050

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· · · · · · · · · · · · · · · · · · ·	AU-	Rose L
		Busa WB
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CH A	- IW	Biological Markers
	WII.	Ca(2+)-Calmodulin Dependent Protein Kinase/*physiology
	MII -	DNA-Binding Proteins/biosynthesis/genetics
· · · · · · · · · · · · · · · · · · ·	- HW	Enbryo, Nommannalian/physiology
CH A	· IIW	Embryonic Induction/*physiology
· · · · · · · · · · · · · · · · · · ·	MII.	Fibroblast Growth Factor, Basic/*pharmacology
CH C	MII	Gene Expression Regulation, Developmental/drug effects
· · · · · · · · · · · · · · · · · · ·	MH.	Mesodem/drug effects/*physiology
CH C	MII.	Microinjections
OH O	- HW	Phosphatidylinositols/*physiology
	MH.	Receptors, Serotonin/drug effects/genetics
	- HW	Recombinant Fusion Proteins/physiology
	MH.	Serotonin/pharmacology
- - - - - - - - -		Signal Transduction/drug effects/*physiology
	MH.	Transcription Factors/biosynthesis/genetics
	MH.	Xenopus laevis/*embryology
-	RN.	EC 2.7.10. (Ca(2+)-Calmodulin Dependent Protein Kinase)
-	RN.	0 (serotonin 1C receptor)
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ž Š		mesodern induced by the growth factor. This suggests the possibility that the PI cycle exerts its
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± ¥		activity and potentiates bFGF-induced expression of Xbra, a MAPK-dependent mesodernal
###		marker,
	AD.	Department of Biology, The Johns Hopkins University, Baltimore, MD
		21218, U.S.A.
	PMID -	0009572365
	EDAT -	1998/05/08 02:03
	MHDA -	1998/05/08 02:03
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SELECT Chem_2, Likelihood FROM Chem_Pairs
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Line 6, change "signal transduction.", 'to -"signal transduction,"-

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Line 50, change "construct" to --to construct--Line 61, change "biological" to --checking biological--

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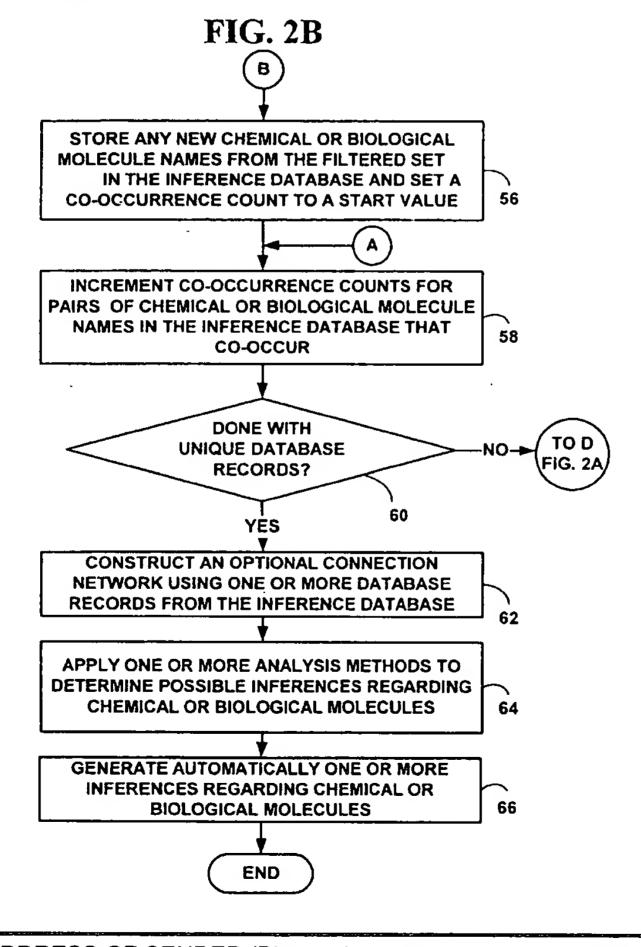
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Sheet 3, replace Fig. 2B with the figure depicted below, wherein in step 56 "IN THE IN THE" has been changed to --IN THE--



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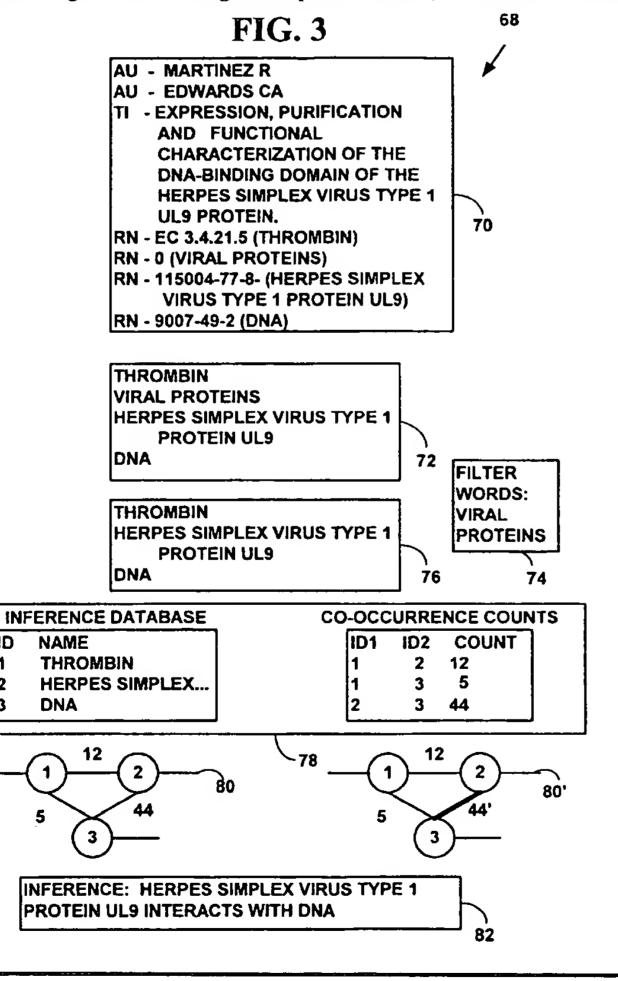
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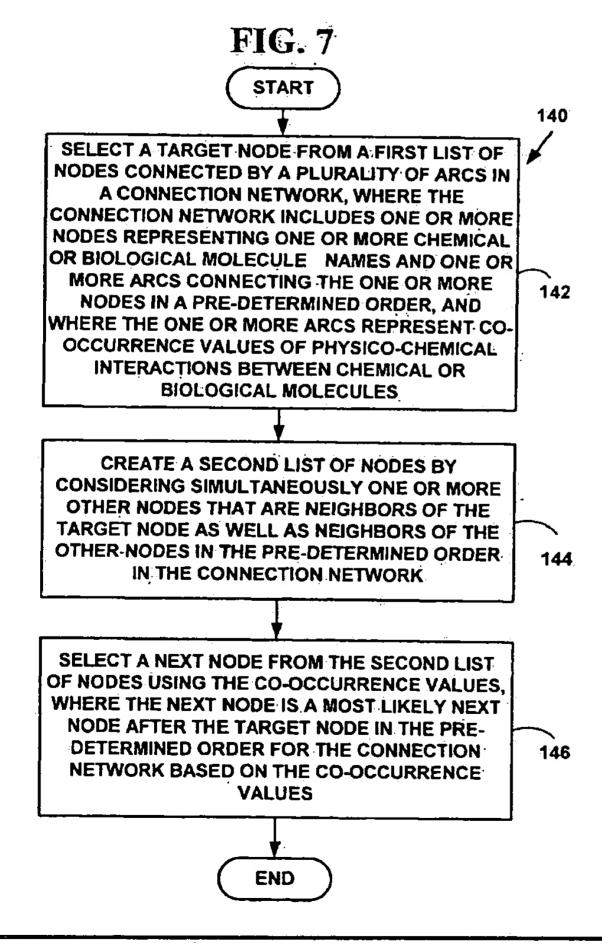
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MAILING ADDRESS OF SENDER (Please do not use customer number)
Scott Woodbury, Esq.
WORKMAN NYDEGGER
100 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

Page <u>8</u> of <u>8</u>

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